



May 22, 1915 crater at summit of Lassen Peak

View looking north-northwest from the summit of Lassen Peak at deposits from the eruption of 1914–1917 at the summit of Lassen Peak (Clynne and others, 1999; Christiansen and others, 2002). Black crags on left and right skyline are remnants of the dacite dome erupted May 14–19, 1915 (unit d4). Craggy area in the foreground to middle ground is the May 19–20, 1915 lava flow that filled the crater created when the lava dome was disrupted on the late evening of May 19, 1915. Snow-filled crater in the middle to upper ground resulted from the pyroclastic eruption of May 22, 1915. Snow-filled troughs in the lava flow resulted from partial slumping of the still-hot lava flow into the May 22, 1915 crater. Light-gray patches on the lava flow are tephra from the May 22, 1915 eruption. Gray walls of the May 22, 1915 crater are formed of weakly hydrothermally altered dacite of Lassen Peak (unit dl, 27 ± 1 ka) and are partially covered by yellow sulfur deposits related to the 1915 eruption. Rim of crater formed by phreatic eruptions in 1917 visible on the center skyline.

Photograph by Michael A. Clynne.